

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2005/000542

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 A61B6/00 A61B6/06		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 A61B G21K		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/055393 A (UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER; KARELLAS, ANDREW; SURYANAR) 10 July 2003 (2003-07-10) page 2, line 28 - page 4, line 8 page 5, line 23 - page 6, line 17 page 8, line 4 - page 9, line 15; figure 1a	1,2,5
A	----- US 2002/196899 A1 (KARELLAS ANDREW) 26 December 2002 (2002-12-26) paragraphs '0045!', '0066!' - '0070!', '0082!', '0111!', '0115!', '0116!'; figures 1,11 ----- -/--	1-10
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family		
Date of the actual completion of the international search  18 July 2005		Date of mailing of the international search report  04.08.2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer  Pohjamo, T

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/081821 A1 (MERTELMEIER THOMAS ET AL) 1 May 2003 (2003-05-01) paragraphs '0004!', '0039! - '0041!; figure 4 -----	1-10
A	US 2003/128801 A1 (EISENBERG HARVEY C ET AL) 10 July 2003 (2003-07-10) paragraphs '0054!', '0055!', '0060!', '0068! - '0071!', '0081!', '0082!; figures 1,2,9 -----	1-10
A	US 2001/005409 A1 (GOHNO MAKOTO ET AL) 28 June 2001 (2001-06-28) paragraphs '0035! - '0038!; figures 3,4 -----	11-16
A	US 5 206 765 A (TRAEGER ET AL) 27 April 1993 (1993-04-27) column 1, lines 6-20 column 3, lines 14-33; figure 1 -----	11-16
A	US 5 224 136 A (TOTH ET AL) 29 June 1993 (1993-06-29) column 6, line 50 - column 7, line 27; figures 1,3,4a,4b -----	11-16
A	US 2003/112924 A1 (SEUFERT MATTHIAS) 19 June 2003 (2003-06-19) paragraphs '0031! - '0035!; figures 1,2 -----	11-16

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### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-10

imaging apparatus and a method of operating it  
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2. claims: 11-16

collimator  
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/IB2005/000542

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 03055393 A	10-07-2003	AU 2002360748 A1 WO 03055393 A1	15-07-2003 10-07-2003
US 2002196899 A1	26-12-2002	US 6445767 B1 US 6031892 A US 5465284 A US 5150394 A CA 2218127 A1 EP 0957766 A2 JP 11505142 T WO 9635372 A2 US 2002070365 A1 WO 9109495 A2	03-09-2002 29-02-2000 07-11-1995 22-09-1992 14-11-1996 24-11-1999 18-05-1999 14-11-1996 13-06-2002 27-06-1991
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